INDUSTRIAL TRUCK WITH A STABILIZING DEVICE

ABSTRACT OF THE INVENTION

An industrial truck, in particular a counterbalanced fork lift truck, has a stabilizing device to increase its stability against tipping. The invention teaches that a plurality of wheel load sensors (R_1, R_2, R_3, R_4), each of which corresponds to an individual wheel (1, 2, 3, 4) are connected to a monitoring device (5) which controls and/or regulates the load lifting system (7) and/or the truck drive system (8) (actuator units for the inclination of a lifting mast (H) and/or the height of the load and/or the truck speed or acceleration and/or the braking intensity and/or the steering angle). The wheel load sensors (R_1, R_2, R_3, R_4) are preferably provided on all the wheels (1, 2, 3, 4) and are each integrated into the respective wheel bearing. The monitoring device (5) has an evaluation unit (6) which determines the transverse tipping forces and/or the longitudinal tipping forces and/or the tipping moments and/or the load. Also connected to the monitoring unit (5), which can also determine the speed of the truck and the steering angle, are speed-of-rotation sensors (S_U, S_G) of at least the wheels of one axle.